Final Bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

58541

Name of work ...pprovements to roads and drains at between 3rd main and 4th main cross roads manjunathanagara in ward No. 14. (Bagalagunte) From ..... To .....

Name of Contractor of nature of Agency..... Technical Manager, BRIDL .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Estimated cost:- 50.00 lakhs Job code :- 011-18-0000469 P.code :- 5878 A.A.No:- JC/D/AS/PR/2017/17-18 dt-21/10/2017 T.S.No:- CE/DZ/TS/288/17-18. dt. 31/10/2017 W.O.No:- EE/DD/W of 79/17-18- dt. 20/11/2017						
(1)	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, excavated surface (cells) and sides neatly dressed, the disposed earth to be						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	levelled neatly after breaking & clods complete as per specifications						
	As per premeasurement Bk recorded in this MB at pg. no. ~~7844~~ 58579 vide item no (1). i.e @ Rate @ 86.92/cum					734.40 cum = ₹ 63834/-	
(2)	Providing and laying in position plain cement and (1 mix 1:4:8 with OPC cement @ 180kg/m³ with 40mm and down size graded granite metal coarse aggregate (20mm size) and fine aggregates @ 0.57 cum, machine mixed, concrete laid in layers not exceeding 150mm thick well compacted, in foundation and plinth, including cost of all materials, labours, tools, machinery curing complete as per specifications.						

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

58542

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per premeasurement Bk recorded in this MB at pg no. 58579 vide item No. (2) i.e @ Rate @ 5159.00/cum					51.00 cum = ₹ 2,63,109/-	
(3)	Providing and removing centering, shuttering, thrutting, propping etc, and removal of formworks for various surface such as walls attaining thickness of, including all unloading, bulkheads, buttresses, plinth and string course etc complete all materials, labour complete as per specifications. As per premeasurement Bk recorded in this MB at pg no. 58580 vide item no (3) i.e @ Rate @ 310.58/sqm					1360.00 Sqm = ₹ 422389/-	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum, and fine aggregates @ 0.46cum with Super plasticizer @ 3 lts conforming to IS9103 - 1999 Reaffirmed - 2008 i) Up to 5m height. As per premeasurement Qty recorded in this MB at pg. No. 58580/2 vide item No. (4) i.e. @ Rate ₹ 6969.26/cum					127.50 cum = ₹ 888071/-	
(5)	Supplying, fitting and placing TMT bars Fe500 reinforcement in Sub-structure complete as per drawing and technical specifications, complete as per specification. As per premeasurement Qty recorded in this MB at Pg. No. 58579/2 vide item No. (5) i.e. Qty limited to @ Rate ₹ 66482.14/ton					8.73 tons, 8.43 tons = ₹ 560444/-	

M. A. R. 57 (Rule 116) No. D

Measurement Book

58543

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Supplying and fixing precast reinforced concrete slab to cover Utility including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting, the vertical track to get plain even surface etc, complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials.						
	Cross Board Lids of RCC	2	34.00	0.75		51.00	
	"	2	34.00	0.75		51.00	
	"	2	34.00	0.75		51.00	
	"	2	34.00	0.75		51.00	

Shilanga

12/11/2015

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work stand as per	2	84.00	0.75		51.00	
					Total Qty :	255.00 Sqm	
					@ Rate ₹1695/Sqm	=₹432225/-	
	(7) providing, laying, spreading and compacting graded stone aggregates to wet mix macadam, specifications, including premixing the material with water at OMC in mechanical mix plant (Capacity 300 cum/hr) and mixed method to stipulated lines, levels, laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as specifications						

M. A. R. 57 (Rule 116) No. D

Measurement Book

58544

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Premeasurement Qty recorded in this MB at Pg. No. 58551 vide Item No. (7), i.e.					142.80 cum	
	@ Rate ₹1768.05/cum					=₹252482/-	
	(8) Construction of dry lean cement concrete mix CE 1:5:10 with OPC cement @ 100 kg/m³ with 25mm and down size graded granite metal coarse aggregates at 0.85 cum and fine aggregates @ 0.55 cum sub base over a prepared sub-grade with CBR 4 PA) aggregate, cement ratio not to exceed 15:1 aggregate gradations after blending to be as per.. transported to site, laid with a paver with						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing and Casting, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specification As per measurement Qty recorded in this mb at pg no 58581 in item no (8) &(9).					142.80 cum	
	@ Rate ₹ 3996.66/cum					=₹ 570795/-	
(9)	Construction of concrete for rcc plain cement concrete pavement, thickness as per design over a prepared sub base with opc cement or any other type as per clause 305.2 & 2 with 95 mm and down & graded granite metal coarse aggregate and FA with super plasticizer, @ 3 kgs conforming to IS 9103-1999. mixed in a concrete mixer & not less than a cum						

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

58545

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Capacity and appropriate weigh batchers as per approved mix design, Loading in approved closed bottle from work. Spreading the concrete with shovels, trowels, Compacted using needles, screed and plastic vibrator and finished in a continuous operation including provision of Construction, expansion, contraction) Longitudinal joints, joint filler, Reparation membrane, Sealant primer, joint sealant, admixtures as approved curing compound, finishing to level m30 at 360kg/cum CA @ 0.69 cu FA @ 0.43, Complete as per Specification						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chain. manual	1	34.40	5.60	0.15	28.68	
	in	1	34.40	5.50	0.15	28.56	
	in	1	34.40	5.60	0.15	28.57	
		1	34.40	5.70	0.15	29.07	
		1	34.40	5.60	0.15	28.56	
					Total Qty =	142.80 Cum	
				@ Rate ₹ 620.00/Cum		= ₹ 88,536/-	
(b)	Vacuum dewatering with vacuum pump and suction mat and completion with 5mm plastic cloth of with floating disc including cost of generator, tent & machinery, hand working tube well, bucket &						

M. A. R. 57 (Rule 116) No. D
Measurement Book

03546

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	dgc. Ele. with all wadand light.						
	Chain. manual	1	34.40	5.40		190.40	
		1	34.40	5.50		189.20	
		1	34.40	5.60		190.40	
		1	34.40	5.70		196.08	
		1	34.40	5.60		190.40	
					Total Qty =	952.10 Cum	
				@ Rate ₹ 93/Cum		= ₹ 88521/-	

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11	Providing groove cutting to concrete pavement for width 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine generator and hire of machine including cost of blade, coolant etc including cleaning of groove & providing sand and hot bitumen to required filler metal etc. including cost of conveyance & all incidentals Lead, lift and load charges and all other incidental charges as per specification						
	Cross Road	2	5.60			11.20	
	"	2	5.50			11.00	
	"	2	5.60			11.20	
	Cross Road	3	5.70			17.10	
		2	5.60			11.20	
						Total Qty = 61.70 Rmt	
						Qty = 61.60 Rmt	
	1/3/21	Rate @ 121.90 Rmt				= ₹ 7509/-	

M. A. R. 57 (Rule 116) No. D

Measurement Book

58547

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12	Disposal of debris to the [illegible] place of disposal [illegible] all lead and lift and all [illegible] direction, by the [illegible] charges of the work. Lead 4 Km.						
	Qty wide [illegible]					7314.60 Cum	
						@ Rate of 86.65 Rm	= ₹ 63280/-
						Sub Total	= ₹ 463170/-
						For [illegible], GST @ [illegible] (7% + 0) = [illegible]	= ₹ 49519/-
						Total Bill Amount	= ₹ 499689/-

① The work is done satisfactorily

② The contractor has removed all debris from [illegible]

③ There is no deposit created illegal made by contractor

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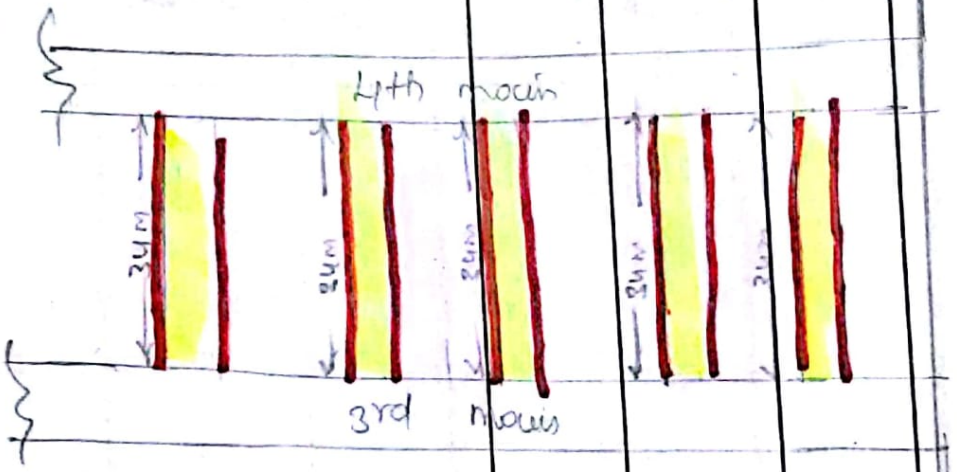
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	R Mea...
		Number	Length	Breadth	Depth	N	
1	2	3	4	5	6	7	8



Labour Dept

Under

→ work not (pot (Drain)

→ work pot (CC Road)

21/3/18

5th cross cross pot, Nagarbhavi

14/3/18